



No. HGBZ2306F3K2

*Experts on International Rules & Regulations for Training, Packing, Storage & Transport of Hazardous Goods  
Dangerous Goods Management (China) Ltd.*

## Material safety data sheet

FAICPBLUE	CHALK POWDER BLUE 8OZ / 250G
FAICPBLUE4OZ	CHALK POWDER BLUE 4OZ / 113G
FAICPRED	CHALK POWDER RED 8OZ / 250G
FAICPRED4OZ	CHALK POWDER RED 4OZ / 113G
FAICPWHITE	CHALK POWDER WHITE 8OZ / 250G
FAICPWHITE4OZ	CHALK POWDER WHITE 4OZ / 113G
FAICPYELLOW	CHALK POWDER YELLOW 8OZ / 250G

Product name: **Chalk**

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Manufacturer or  
Supplier: **Faithfull Tools**

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## Safety Data Sheet

## CHALK

Version: V2.0.0.1  
Creation Date: 2023/06/13  
Revision Date: 2023/06/13

\*Prepared according to UN GHS (the 9th revised edition)

**1** Identification of the chemical and supplier**Product identifier**

Product Name	CHALK
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses	Used for Marking.
Uses advised against	Please consult manufacturer.

**Details of the supplier (Applicant)**

Applicant Name	Faithfull Tools
Applicant Address	Phoenix House, 3 White Lodge Business Estate, Hall Road, Norwich
Applicant Post Code	NR4 6DG
Applicant Telephone	01603 671640
Applicant Fax	0574-62707559
Applicant E-mail	enquiries@faithfulltools.com

**Details of the Manufacturer**

Name of the company	Cixi City Ldisen Plastic Co. Ltd.
Address of the company	No.118, Shunhe RD, Kandun Street Industrial District, Cixi, Zhejiang, China
Post code	315303
Telephone number	0574-63279851
Fax number	0574-63279605
E-mail address	568692357@qq.com

**Emergency phone number**

Emergency phone number	+86 13606886109
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**2** Hazards identification**Hazard classification according to GHS**

Hazard classification according to GHS	Not applicable
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**Label elements**

Hazard pictograms	Not applicable
Signal word	Not applicable

**Hazard statements**

Hazard statements	Not applicable
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**Precautionary statements**

## ◆ Prevention

Prevention	Not applicable
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## ◆ Response

Response	Not applicable
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## ◆ Storage

Storage	Not applicable
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## ◆ Disposal

Disposal	Not applicable
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**Hazard description**

## ◆ Physical and chemical hazards

	Solid, insoluble in water, no harm in general situation.
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## ◆ Health hazards

Inhaled	Inhalation of the product may produce adverse health effects or irritation of the respiratory tract following discomfort.
Ingestion	Accidental ingestion of the product may be harmful to the health of the individual.
Skin Contact	Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.
Eye	This product may cause temporary discomfort following direct contact with the eye.

## ◆ Environmental hazards

	Please refer to 12th chapter of SDS.
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**3 Composition/information on ingredients**

<b>1.Red</b>			
Component	Cas No.	EC No.	Concentration (weight percent, %)
Calcium carbonate	471-34-1	207-439-9	75~80
Diiron trioxide	1309-37-1	215-168-2	20~25
<b>2.Yellow</b>			
Component	Cas No.	EC No.	Concentration (weight percent, %)
Calcium carbonate	471-34-1	207-439-9	75~80
Pigment Yellow 42	51274-00-1	215-168-2	20~25
<b>3.Blue</b>			

Component	Cas No.	EC No.	Concentration (weight percent, %)
Calcium carbonate	471-34-1	207-439-9	80~85
Pigment Blue 29	57455-37-5	/	15~20
<b>4.Black</b>			
Component	Cas No.	EC No.	Concentration (weight percent, %)
Calcium carbonate	471-34-1	207-439-9	70~75
Iron oxide black	1309-38-2	235-442-5	25~30
<b>5.Green</b>			
Component	Cas No.	EC No.	Concentration (weight percent, %)
Calcium carbonate	471-34-1	207-439-9	85~90
Fluorescent Green	/	/	10~15
<b>6.Orange</b>			
Component	Cas No.	EC No.	Concentration (weight percent, %)
Calcium carbonate	471-34-1	207-439-9	85~90
Fluorescent orange	/	/	10~15
<b>7.White</b>			
Component	Cas No.	EC No.	Concentration (weight percent, %)
Calcium carbonate	471-34-1	207-439-9	100

## 4 First aid measures

### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye contact</b>	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Skin contact</b>	Rinse skin with plenty of water or shower.
<b>Ingestion</b>	Rinse mouth.
<b>Inhalation</b>	Fresh air, rest.
<b>Protecting of first-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### Most important symptoms and effects, both acute and delayed

- 1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

### Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

## 5 Firefighting measures

**Extinguishing media****Suitable extinguishing media**

Use extinguishing media suitable for surrounding area.

**Unsuitable extinguishing media**

There is no restriction on the type of extinguisher which may be used.

**Specific hazards arising from the substance or mixture**

- 1 Not combustible, not considered a significant fire risk, however containers may burn.
- 2 May expansion or decompose explosively when heated or involved in fire.

**Advice for firefighters**

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

- 1 Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.
- 4 Avoid dust formation.

**Environmental precautions**

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up**

- 1 In case of small amount of spillage, use clean non sparking tools to collect absorption materials.
- 2 Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.
- 3 Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**7 Handling and storage****Precautions for handling**

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.
- 5 Avoid inhalation of dust or mist.

**Precautions for storage**

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.

- 4 Store away from incompatible materials and foodstuff containers.

## 8 Exposure controls/personal protection

### Control parameters

#### Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Calcium carbonate 471-34-1	USA - OSHA	-	15	-	-
	Latvia	-	6	-	-
	Ireland	-	10	-	-
	France	-	10	-	-
	Canada - Québec	-	10	-	-
	Australia	-	10	-	-

#### Biological limit values

**Biological limit values** | No information available

#### Monitoring methods

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard) .

### Engineering controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.
- 5 Handle in accordance with good industrial hygiene and safety practice.

### Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).
Hand protection	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear fire/ flame resistant/retardant clothing and antistatic boots.

## 9 Physical and chemical properties

**Physical and chemical properties**

<b>Appearance</b>	Powdered solid, Red, yellow,blue,black,green,orange,white
<b>Odor</b>	No special odor
<b>Odor threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting point/freezing point(°C)</b>	825 (Decompose, Calcium carbonate)
<b>Flash point(Closed cup, °C)</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	Not combustible
<b>Upper/lower explosive limits%(v/v)</b>	Upper limit: Not combustible; Lower limit: Not combustible
<b>Vapor pressure</b>	Not applicable
<b>Relative vapour density(Air = 1)</b>	Not applicable
<b>Relative density(Water=1)</b>	2.8 (Calcium carbonate)
<b>Solubility(mg/L)</b>	Insoluble in water (Calcium carbonate)
<b>n-octanol/water partition coefficient</b>	< 4
<b>Auto-ignition temperature(°C)</b>	Not combustible
<b>Decomposition temperature(°C)</b>	> 825 (Calcium carbonate)
<b>Kinematic viscosity</b>	Not applicable
<b>Particle characteristics</b>	Powder

**10 Stability and reactivity****Stability and reactivity**

<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical stability</b>	Stable under proper operation and storage conditions.
<b>Possibility of hazardous reactions</b>	Reacts with active metals and poses an explosive potential or fire.
<b>Conditions to avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible materials</b>	Active metal, alcohols, aldehydes, carbon disulfide, carbon, sulfur, phosphorus, boron, reducing agents, metallic acetylenes and metallic carbonates.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11 Toxicological information****Acute toxicity**

Component	Cas No.	LD <sub>50</sub> (oral)	LD <sub>50</sub> (dermal)	LC <sub>50</sub> (inhalation,4h)
Calcium carbonate	471-34-1	6450mg/kg(Rat)	No information available	No information available

**Carcinogenicity**

ID	Cas No.	Component	IARC	NTP
1	471-34-1	Calcium carbonate	Not Listed	Not Listed

**Others****CHALK**

Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

**12 Ecological information****Acute aquatic toxicity**

Component	Cas No.	Fish	Crustaceans	Algae
Calcium carbonate	471-34-1	LC <sub>50</sub> : > 10mg/L (96h)(Fish)	No information available	ErC <sub>50</sub> : > 10mg/L (72h)(Algae)

**Chronic aquatic toxicity**

Chronic aquatic toxicity | No information available

**Persistence and degradability**

Component	Cas No.	Persistence (water/soil)	Persistence (air)
Ferric oxide	1309-37-1	Low	Low

**Bioaccumulative potential**

Component	Cas No.	Bioaccumulative potential	comments
Ferric oxide	1309-37-1	Low	Log K <sub>ow</sub> =0.5294

**Mobility in soil**

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (K <sub>oc</sub> )
Ferric oxide	1309-37-1	Low	23.74

**Results of PBT and vPvB assessment**

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 1907/2006)
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<b>Calcium carbonate</b>	471-34-1	not PBT/vPvB
<b>Ferric oxide</b>	1309-37-1	not PBT/vPvB

### 13 Disposal considerations

#### | Disposal considerations

<b>Waste chemicals</b>	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
<b>Contaminated packaging</b>	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
<b>Disposal recommendations</b>	Refer to section 13.1 and 13.2.

### 14 Transport information

#### | Label and Mark

<b>Transporting Label</b>	Not applicable
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#### | IMDG-CODE

<b>IMDG-CODE</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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#### | ICAO/IATA-DG

<b>ICAO/IATA-DG</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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#### | UN-ADR

<b>UN-ADR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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### 15 Regulatory information

#### | International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Calcium carbonate	√	√	√	√	√	√	√	√	√
Diron trioxide	√	√	√	√	√	√	√	√	√

**【EINECS】** European Inventory of Existing Commercial Chemical Substances

**【TSCA】** United States Toxic Substances Control Act Inventory

**【DSL】** Canadian Domestic Substances List

**【IECSC】** China Inventory of Existing Chemical Substances

**【NZIoC】** New Zealand Inventory of Chemicals

**【PICCS】** Philippines Inventory of Chemicals and Chemical Substances

**【KECI】** Existing and Evaluated Chemical Substances

**【AICS】** Australia Inventory of Chemical Substances

**【ENCS】** Existing And New Chemical Substances

Note

"√" Indicates that the substance included in the regulations

"x" That no data or included in the regulations

### 16 Others

**Information on revision**

Creation Date	2023/06/13
Revision Date	2023/06/13
Reason for revision	-

**Reference**

- [1]IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2]IARC, website: <http://www.iarc.fr/>.
- [3]OECD: The Global Portal to Information on Chemical Substances. website:  
[http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en).
- [4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5]NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7]U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

**Abbreviations and acronyms**

<b>CAS</b> –Chemical Abstracts Service	<b>CMR</b> - Carcinogens, mutagens or substances toxic to reproduction
<b>PC-STEL</b> - Short term exposure limit	<b>PC-TWA</b> - Time Weighted Average
<b>DNEL</b> - Derived No Effect Level	<b>IARC</b> - International Agency for Research on Cancer
<b>RPE</b> - Respiratory Protective Equipment	<b>PNEC</b> –Predicted No Effect Concentration
<b>LC<sub>50</sub></b> - Lethal Concentration 50%	<b>LD<sub>50</sub></b> - Lethal Dose 50%
<b>NOEC</b> -No Observed Effect Concentration	<b>EC<sub>50</sub></b> - Effective Concentration 50%
<b>PBT</b> - Persistent, Bioaccumulative, Toxic	<b>POW</b> - Partition coefficient Octanol:Water
<b>BCF</b> - Bioconcentration factor (BCF)	<b>vPvB</b> - very Persistent, very Bioaccumulative
<b>IMDG</b> -International Maritime Dangerous Goods	<b>ICAO/IATA</b> -International Civil Aviation Organization/International Air Transportation Association
<b>UN</b> -The United Nations	<b>ACGIH</b> -American Conference of Governmental Industrial Hygienists
<b>NFPA</b> -National Fire Protection Association	<b>OECD</b> -Organization for Economic Co-operation and Development

**Disclaimer**

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 9th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.